

AMENDMENTS TO THE CLAIMS

1. (Canceled)
2. (Currently Amended) The fluid connector ~~biopsy system~~ of claim ~~[[31]]14~~, wherein the first check valve includes a duckbill valve member.
3. (Currently Amended) The fluid connector ~~biopsy system~~ of claim ~~[[31]]14~~, wherein the second check valve includes a resiliently compressible valve member.
4. (Currently Amended) The fluid connector ~~biopsy system~~ of claim 3, wherein the second check valve includes a valve seat adapted to secure the valve member within the second check valve.
5. (Currently Amended) The biopsy system of claim 31, wherein the first inlet port is configured to receive~~fluid source~~ is a bag of isotonic solution.
6. (Currently Amended) The biopsy system of claim 31, wherein the second inlet port is configured to receive~~fluid source~~ includes a needleless syringe.
7. (Currently Amended) The biopsy system of claim 31, wherein the second inlet port is configured to receive~~fluid source~~ includes an anesthetic or a haemostatic agent.
8. (Canceled)
9. (Currently Amended) The biopsy system of claim 31, wherein a predetermined cracking pressure is required to open the first check valve, wherein the cracking pressure is less than or equal to a pressure resulting from the vacuum delivered through the vacuum assisted biopsy device.

10. (Currently Amended) The biopsy system of claim [[31]]9, wherein the cracking pressure is greater than a pressure resulting from the vacuum created in the fluid connector by the vacuum assisted biopsy device when the second check valve is open.
11. (Previously Presented) The biopsy system of claim 31, wherein the second check valve includes a female luer fitting and the second fluid source includes a male luer fitting adapted to mate with the female luer fitting.
12. (Currently Amended) The biopsy system of claim 31, wherein the ~~vacuum delivered to the fluid connector through the vacuum assisted biopsy device~~ fluid connector is configured to ~~pass~~draw a predetermined amount of the second fluid from the second fluid source and through the output port and into the biopsy device in response to the vacuum when a syringe is fluidly connected to the fluid connector.
13. (Currently Amended) The biopsy system of claim 31, wherein one of the first and second check valves include a female luer fitting.
14. (Currently Amended) A fluid connector for a biopsy system including a vacuum assisted biopsy device, ~~a first fluid source and a second fluid source, the fluid connector comprising:~~ a unitary body member defined by a first channel and a second channel, wherein the second channel is integrally connected directly to the first channel; and wherein the first channel is defined by a first inlet port and an ~~outlet output~~ port, and wherein the second channel is defined by a second inlet port and a distal end, and wherein whereby the distal end ~~intersects~~ intersects the first channel ~~proximally of the output port such that the second channel opens into the first channel;~~ and wherein the first channel includes a first check valve; ~~in fluid communication with the first fluid source, the first inlet port in communication with the first check valve, which is positioned distally of the first inlet port,~~ and wherein the second channel inlet port includes a second check valve ~~disposed in the second channel and the second inlet port being in fluid communication with the second fluid source, the second inlet port in communication with the second check valve, and the~~ outlet output port is

~~provided remotely from,~~ but in communication with the ~~vacuum-assisted biopsy device, and~~
wherein the first check valve ~~and the second check valves are~~ is configured to automatically open
when a vacuum is introduced through the biopsy device and to the fluid connector ~~so as to deliver~~
~~fluid from the first fluid source,~~ and wherein the second check valve is configured to be selectively
opened ~~fluid sources to the biopsy device.~~

15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Canceled)

27. (Canceled)

28. (Canceled)

29. (Canceled)

30. (Canceled)

31. (Currently Amended) A biopsy system, comprising:

a vacuum assisted biopsy device comprising an outer cannula and an inner cannula, ~~wherein the inner cannula is configured for a reciprocating cutting stroke within the outer cannula and a vacuum source is connected to the inner cannula;~~

~~a first fluid source;~~

~~—— a second fluid source separate from the first fluid source;~~

a fluid connector positioned remotely from the biopsy device,

wherein the fluid connector comprises a body member defined by a first channel and a second channel, the second channel ~~intersects with~~ intersecting the first channel;

wherein the first channel ~~is defined by~~ includes a first inlet port and an outlet port, the inlet port ~~being configured to be~~ operatively connected to a the first fluid source and the outlet port ~~being configured to be~~ operatively connected to the biopsy device;

wherein the first channel further includes a first check valve ~~connected thereto and positioned distally of the first inlet port, such that the first check valve is in fluid communication with the first inlet port;~~

wherein the second channel ~~is defined by~~ includes a second inlet port and a distal end, wherein the second inlet port is configured to be operatively connected to a the second fluid source, and the distal end of the second channel opens into the first channel, proximal of the outlet port;

wherein the second channel further includes a second check valve ~~connected thereto and~~ positioned distally of the second inlet port, such that ~~the second check valve is in fluid communication with the second inlet port;~~

wherein the first check valve is configured to open and automatically pass the first fluid from the first fluid source in response to ~~during operation of the biopsy device, a vacuum from a the vacuum source is delivered through coupled to a proximal end of the inner cannula and to the fluid connector, the vacuum being configured to overcome a predetermined cracking pressure of the first check valve to open the first check valve so as to automatically draw a predetermined amount of a first fluid from the first fluid source and, causing delivering the first fluid from the first fluid source to be delivered~~ into the outer cannula; and

wherein ~~the during operation of the biopsy device, vacuum delivered through the inner cannula is configured to open the second check valve~~ is configured to be opened to automatically draw a and pass the second predetermined amount of fluid from the second fluid source and delivering the second fluid from the second fluid source to be delivered into the ~~inner outer~~ cannula.

32. (Currently Amended) The biopsy system of claim 31, wherein the vacuum assisted biopsy device further comprises a hub that supports the outer cannula, wherein the hub is connected to a first end of a fluid conduit and a second end of the fluid conduit is attached to the outlet output port of the fluid ~~conduit~~ connector so as to introduce fluid into the outer cannula.

33. (Original) The biopsy system of claim 32, wherein the first and second fluid sources are connected to the first and second inlet ports, respectively, by separate fluid conduits.

34. (New) The biopsy system of claim 31, wherein a fluid conduit connects the fluid connector to the vacuum assisted biopsy device.

35. (New) The fluid connector of claim 31, wherein each of the female luer fittings include a threaded surface.

36. (New) The fluid connector of claim 14, wherein the outlet port is configured as a male luer fitting.

37. (New) The fluid connector of claim 36, wherein the male luer fitting further comprises a flanged tubular portion and an internally threaded cap.

38. (New) The fluid connector of claim 14, wherein the second check valve further comprises first and second body portions, a flexible valve member, and a valve seat, wherein the second body portion is at least partially received within the first body portion and the valve member are retained within the second body portion by the valve seat.

39. (New) The fluid connector of claim 38, wherein the valve member includes a base that comprises a plurality of fins that are configured to engage an inner wall of the second body portion.

40. (New) The biopsy system of claim 31, wherein the inner cannula is configured for a reciprocating cutting stroke within the outer cannula and wherein during each stroke, the vacuum draws a predetermined amount of the first fluid into the biopsy device.

41. (New) The biopsy system of claim 40, wherein the vacuum is configured to overcome a cracking pressure of the first check valve to pass the first fluid into the outer cannula during each stroke.